

## LAMINATE WALL STRUCTURE

### ABSTRACT

5           A laminate wall structure which can be used as an  
exterior wall in manufactured housing and site built  
construction is made up of a low density layer having a  
density of from about one-half pound to three pounds per  
cubic foot, a second, reinforcing layer laminated to the  
10 low density layer and, optionally, a cellulosic layer  
laminated to the second, reinforcing layer. The low  
density layer is preferably a foamed polymer layer, the  
second, reinforcing layer is a polymer fabric, a  
biaxially oriented polymeric film or a fiberglass  
15 reinforced material and the cellulosic layer can be  
impregnated with an adhesive and/or resin in order to  
strengthen the laminate structure. This laminate wall  
structure has a low weight and yet is strong enough to  
meet wind zone wall diaphragm requirements for housing  
20 construction.